

FIG. 1

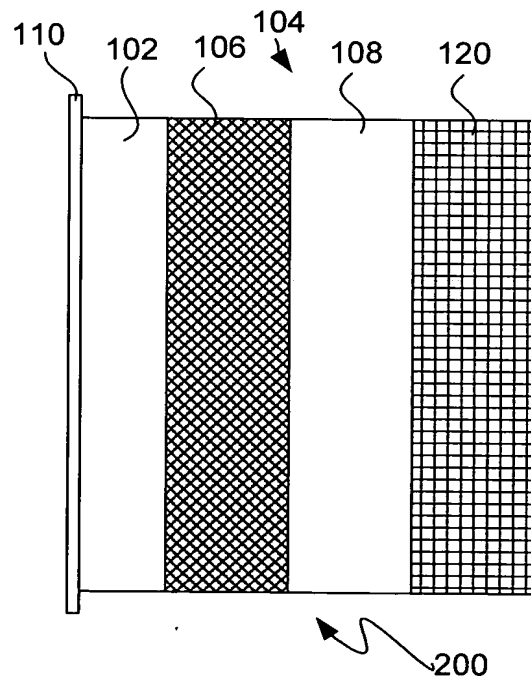


FIG. 2

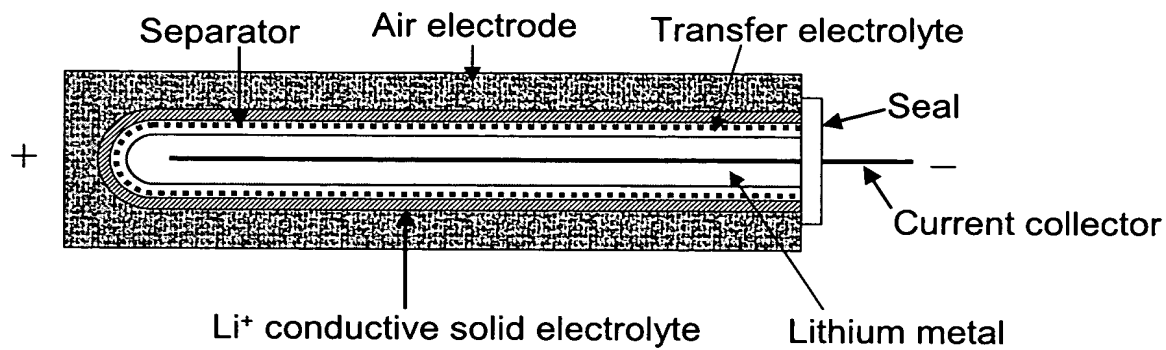


FIG. 3A

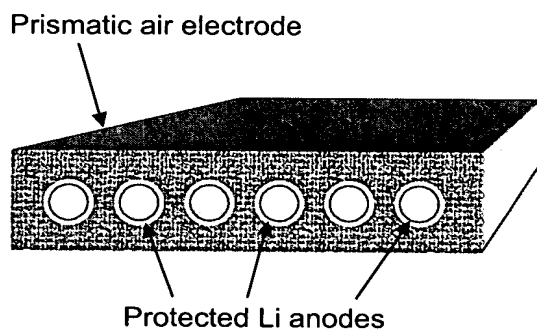


FIG. 3B

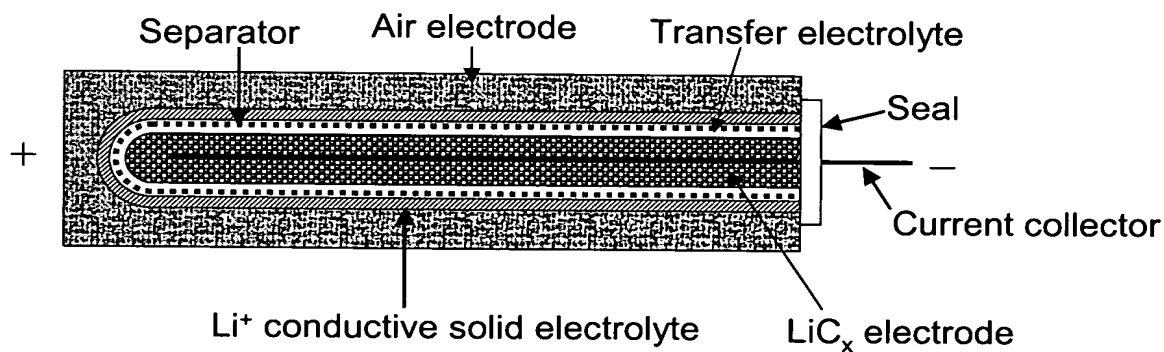


FIG. 3C

Potential-time curve for Li anode in cell having solid electrolyte membrane separating non-aqueous anolyte from aqueous catholyte

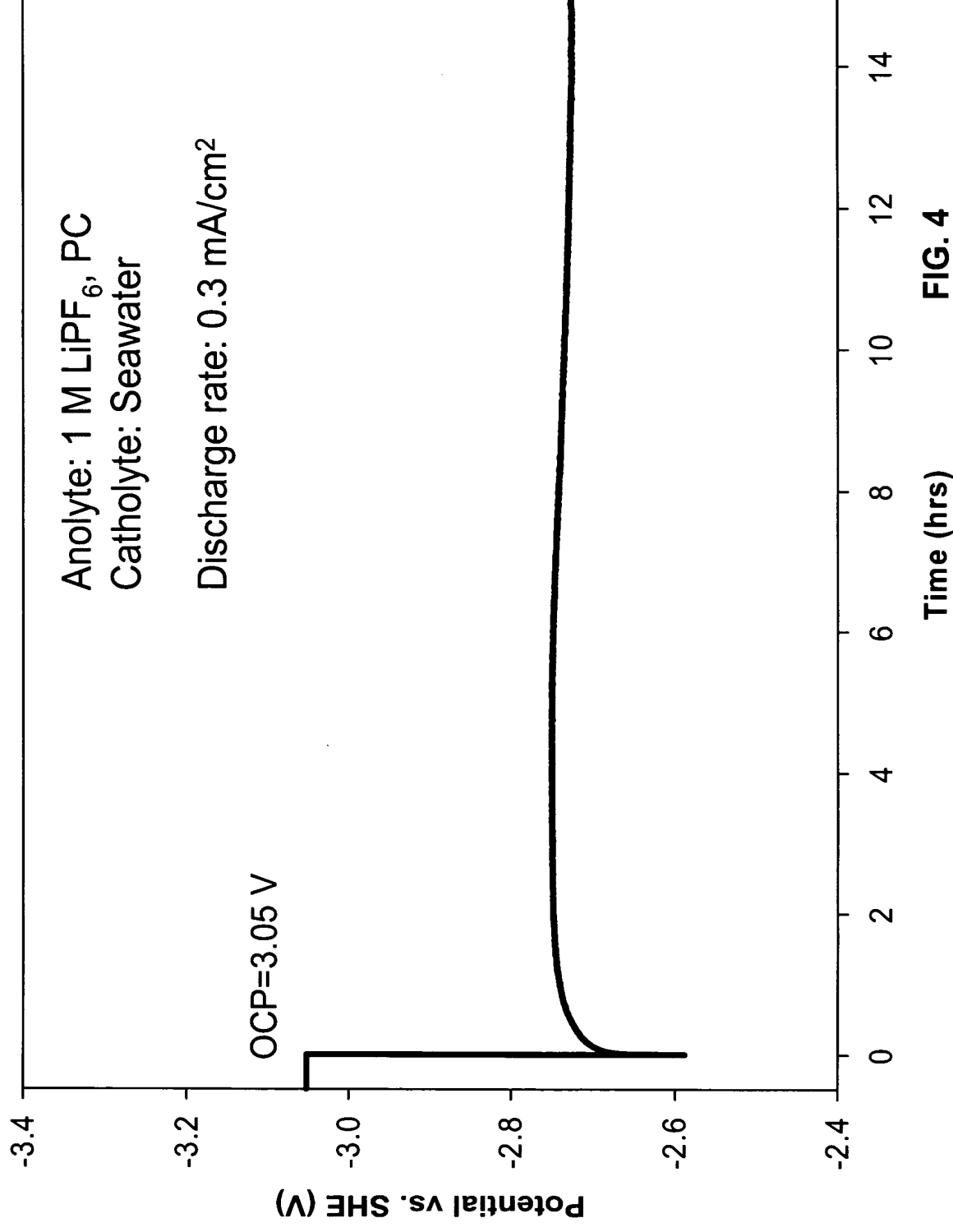


FIG. 4

Discharge curve for Li/Air cell having solid electrolyte membrane separating non-aqueous anolyte from aqueous catholyte

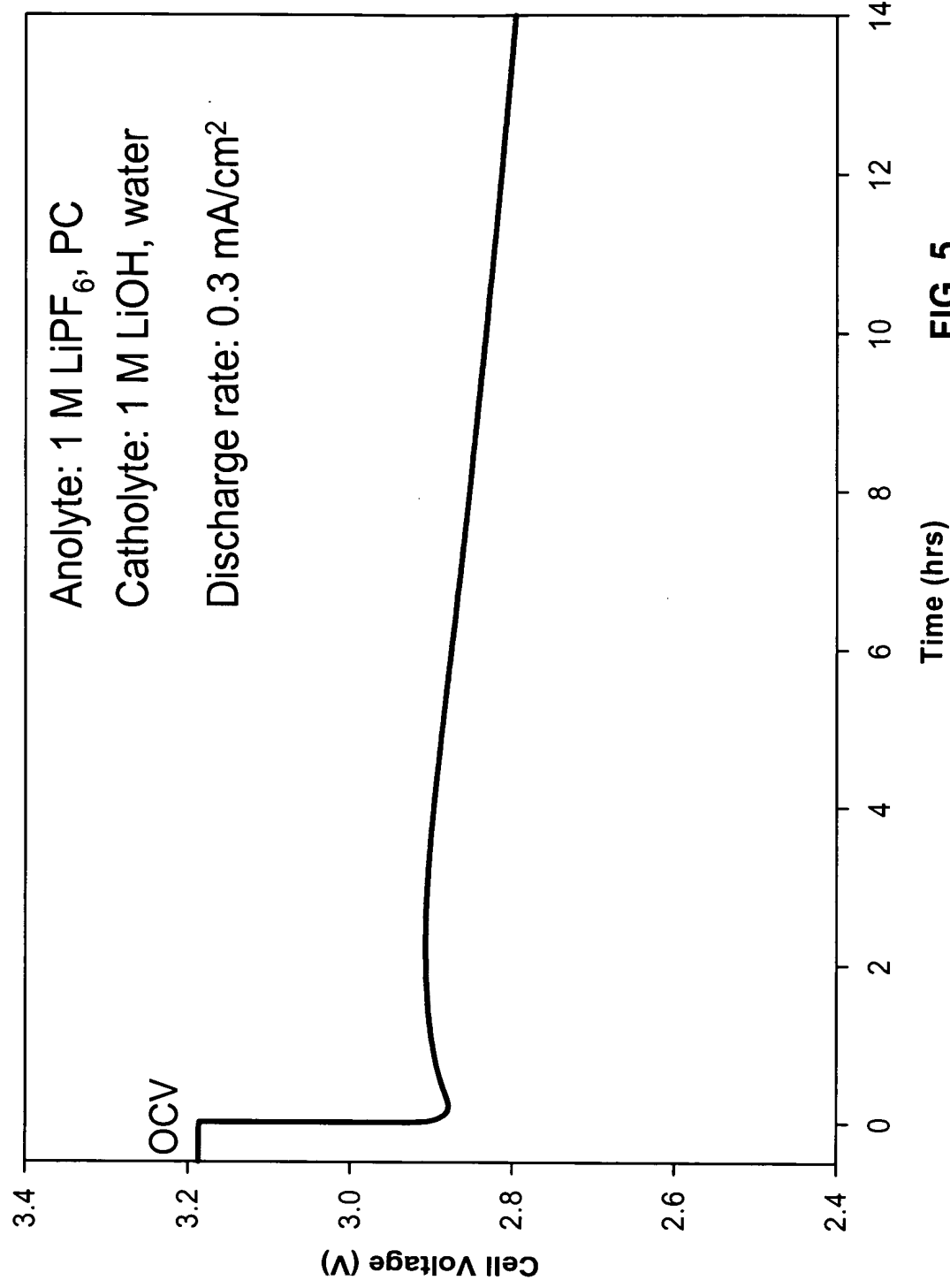


FIG. 5

Initial cycling for the cell:
Carbon | 1M LiPF₆, EC+DMC | Glass membrane | 1M HCl+2M LiCl | Pt

- Cell voltage
- ⋯ C potential vs. Li reference
- - - C potential vs. Ag/AgCl

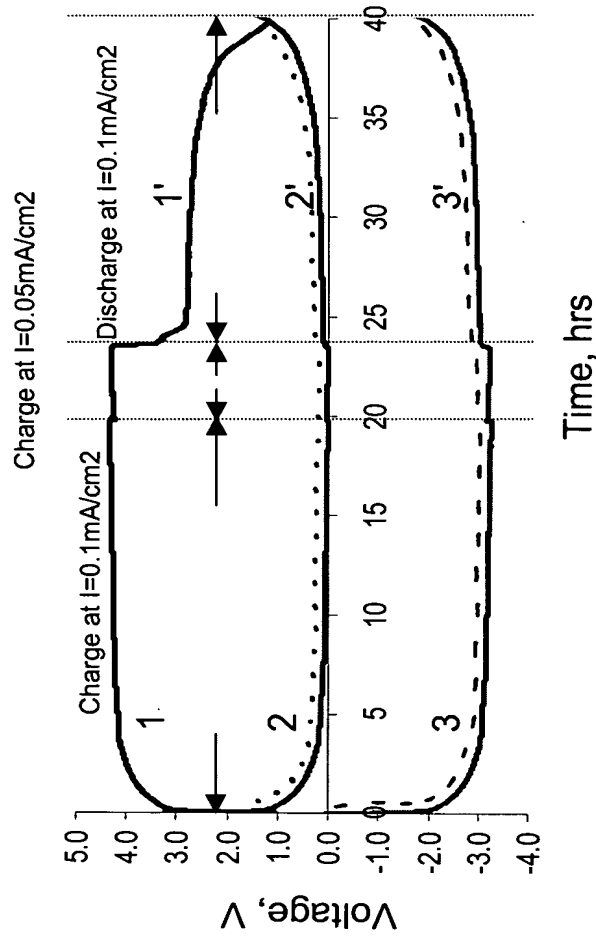


FIG. 6

Li/water Battery and Hydrogen Generator for Fuel Cell

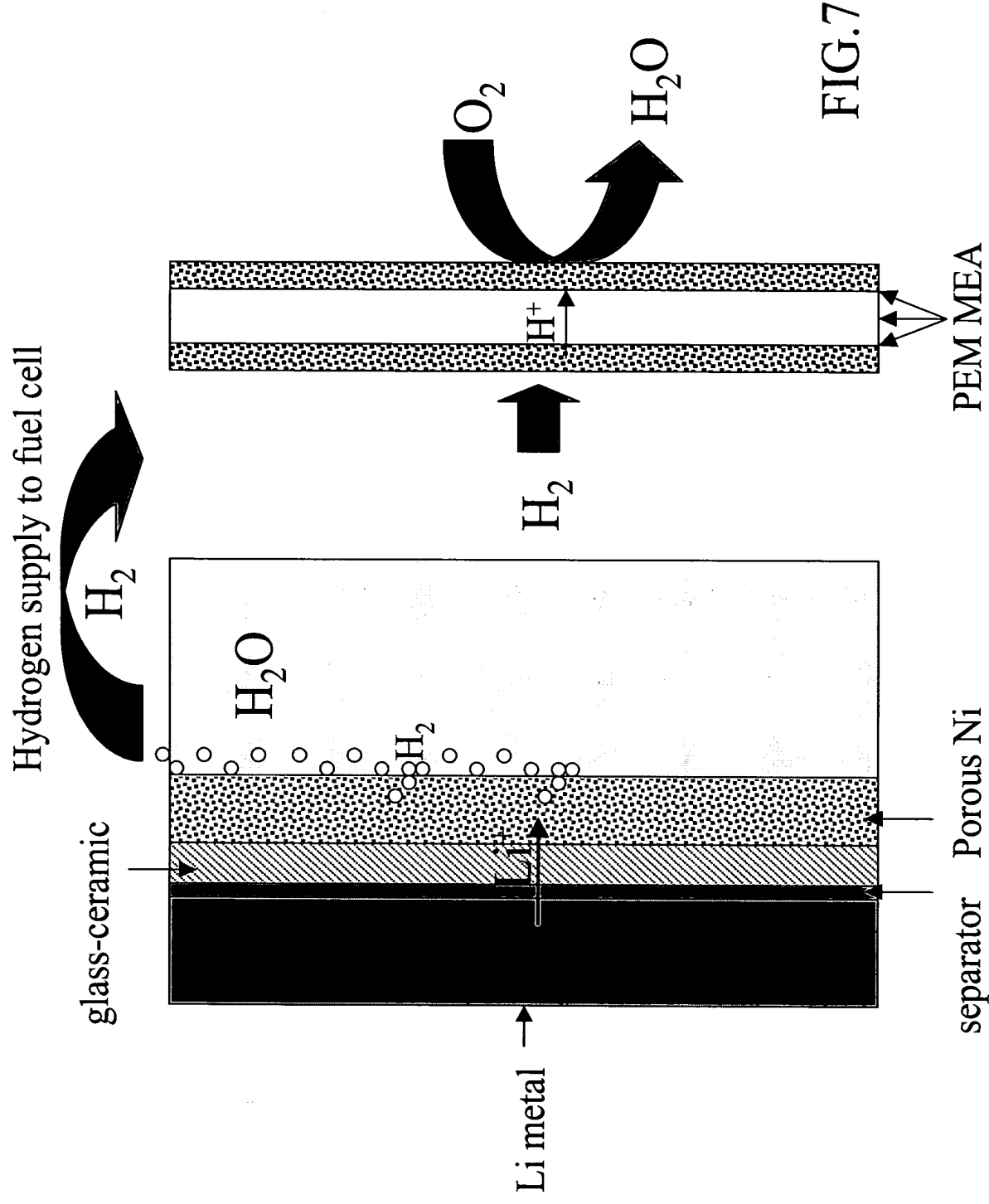


FIG.7